Slim design, robust performance

The Shuttle XPC Barebone SG31G5 offers some of the latest and greatest technologies in stylish black G5 chassis with brushed aluminum front face. It features the Intel® Graphics Media Accelerator 3100, Gigabit LAN, 7.1 audio and PCIe x16 graphics slot. By combining the powerful Intel Core 2 Duo processors with this machine, it can handle all the requirements of today's computing needs, with plenty of capacity for tomorrow's emerging technology.

intel G31 EXPRESS CHIPSET

XPC Barebone SG31G5

Feature Highlight

G5 chassis	• Aluminum chassis (black) • Bays: 1x 5.25", 2x 3.5"
Chipset	• Intel G31 + ICH7 • Integrated Intel GMA 3100 graphics Shared Memory (UMA): 384MB DualView: you can connect DVI and VGA monitor at the same time
CPU	• Socket 775 • Core 2 Quad, Core 2 Duo E6xxx / E4xxx, Pentium 2xxx, Celeron D 4xx • Supports 800, 1066 & 1333 MHz FSB • Shuttle I.C.E. Heatpipe-cooling
Slots	• 1x PCI-Express (x16) • 1x PCI (32 Bit)
Memory	• Supports 2x DDR2-667/800 • Supports up to a total size of 4 GB
Drive connectors	• 3x Serial-ATA 3 Gb/s • 1x IDE ATA 100, 1x floppy
Other connectors	• 8-channel HD audio • 2x Firewire • USB 2.0 (2x front, 4x rear, 4x onb.) • GigaBit LAN
Power supply	• Efficient 250 Watt mini power supply
Application	• Business, Home

Prduct ID: SG31G5 (black)
Order No: PC-SG31G5
UPC (see bar code)

8 11686 00237 6

Pictures for illustration purpose only.
Optical drive sold separately.

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Shuttle XPC Barebone SG31G5 – Special Product Features

The Shuttle XPC Glamor series is the keyword in artistic design from Shuttle.

There are different chassis designs to choose from. No matter whether it's for use in the home or the office, for high adrenaline or laid back users, there is a Shuttle XPC in the Glamor series to suit every taste. The elegant G5-design features hidden drive bays and front media ports and offers superior style and visual appeal for demanding home users.

Supports Windows Vista Premium

Breathtaking Windows Aero™ 3D visual interface and a host of groundbreaking new features, Windows® Vista™ Premium promises to deliver a streamlined computing experience designed to fundamentally change how users view, find and organize their digital information.

Dual View Technology with DVI and VGA

Dual View technology offers multiple display support on up to two separate monitors. This improves the capabilities and productivity of the user by allowing them to spread multiple windows over two monitors and view them simultaneously.

Intel G31 Express chipset with GMA 3100 graphics

The integrated Intel GMA 3100 graphics processor delivers best-in-class 3D performance and leading graphics compatibility to play top games the way they are meant to be played.

Gigabit LAN Network

Today's media-rich communications across the Internet and within organizations are creating new demands on clients in Local Area Networks. For that reason Shuttle introduces the Gigabit LAN performance even in the business and entry level segment of their XPC line.

User Friendly Dynamic OverClock feature*)

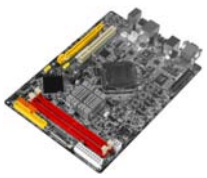
The user can easily overclock the system through the bios from 3%,5%,7%,10%,15%, to 20%.

Solid Capacitors

The new generation of solid capacitors is used in the temperature sensitive part of the CPU voltage regulator. The lifespan of solid capacitors is in fact up to six times longer than the more common electrolytic capacitors.

Color slots design

Easily recognize color codes provides an easier way to install the devices such as Power switch, USB, PCI-E, PCI, DDR2.



***) Overclocking Warning:**
Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS or using the third-party overclocking tools. Overclocking may affect your system stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. Shuttle is not responsible for possible damage caused by overclocking.

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Shuttle XPC Barebone SG31G5 Specification

Chassis	G5-type aluminum chassis, black color Storage bays: 1 x 5.25", 2 x 3.5" (1 internal), stealthed drive doors Dimensions: 31 x 20 x 18.5 cm (LWH), Weight: 3.2 kg net / 4.8 kg gross
Mainboard	Shuttle FG31, Shuttle form factor, Proprietary mainboard design for Shuttle XPC Barebone SG31G5 Chipset: Intel G31 (Bearlake-G) + ICH7 Dimensions: 25.4 x 18.5 cm
Power Supply	250 Watt mini power supply unit Input voltage range: 100~240V Connectors: 20-pin ATX, 4-pin ATX12V Dimensions: 190 (L) x 82 (W) x 43 (H) mm EMI certified: FCC, CE, BSMI, CCC Safety certified: UL, TÜV, CB, BSMI, CCC Active PFC (Power Factor Correction)
Processor Support	Socket 775 supports Single, Dual and Quad Core processors from Intel with Core technology (65nm Conroe) and 800, 1066 or 1333 front side bus: i.e. Core 2 Quad, Core 2 Duo E6xxx / E4xxx, Pentium 2xxx and Celeron D 4xx Supports Pentium 4/D processors at 800MHz FSB. Processors with 533MHz FSB are not supported. Please refer the support list for detailed processor support information.
*Overclocking *)*	Overclocking settings: CPU frequency, CPU voltage, RAM frequency, RAM voltage Dynamic Overclock feature: Easily overclock from 3/5/7/10/15/20% through the BIOS.
Processor Cooling	Shuttle I.C.E. (Integrated Cooling Engine) advanced I.C.E. Heatpipe technology, linear controlled 92mm fan SilentX cooling and noise reduction technology with Active Airflow
Memory Support	2 x 240 pin slots, supports Dual Channel supports DDR2-667/800 SDRAM memory up to a total size of 4 GB, max. 2 GB per DIMM
Expansion Slots	1 x PCI-Express (16X) supports 8 GB/s data transfer 1 x PCI (32 bit)

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Integrated Graphics	Intel Graphics Media Accelerator 3100 (GMA 3100) 256bit 3D engine with a powerful 400MHz core DirectX 9.0 support Dynamic Video Memory Technology (DVMT) 3.0 Shared Memory size up to 384MB DualView: Digital DVI out and analog VGA out can be used at the same time.
8-channel Audio	7.1 channel High Definition Audio, Realtek ALC888 codec Analog: line-out (8-ch), line-in, microphone Optional digital SPDIF I/O (PC17)
Gigabit-LAN Controller	Marvell 88E8056 Ethernet network controller (Gigabit) Supports 100 / 1.000 MBit/s operation Supports Wake-on-LAN (WOL)
Firewire-Controller	Firewire controller TI TSB43AB22A IEEE1394 OHCI V1.0 compliant with 2 Firewire connectors (front and rear) supports 400Mb/s, 200Mb/s, 100Mb/s data transfer rate
Drive connectors	3x Serial-ATA II, 3 Gbit/s (300 MB/s) bandwidth 1 x IDE ATA 100 drives 1 x floppy disk drive
Front panel connectors	Microphone, Headphone (Line-out) 2x USB 2.0, Firewire (Mini 4 pin connector) Power button, Reset button Power LED, HDD LED
Back panel connectors	DVI output (digital) VGA output (D-sub, analog) 4x USB 2.0 GigaBit LAN (RJ45) IEEE1394 Firewire (6 pin) PS/2 keyboard, PS/2 mouse 8-ch Audio line-out (2x rear/front, bass/center, surround/back) Audio Line-in CMOS button optional Wireless LAN module (PN18) optional parallel port (PC8/PC15)
Other connectors	2x fan connectors (3 pin and 4 pin) 4x USB 2.0 (two times 2x5 pins header)

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Accessories	Multi-language user guide, Driver CDROMs (Windows Vista, Windows XP 32/64 bit) Shuttle Extras CDROM, I.C.E. heat-pipe module, Cable for FDD, SATA (1x), PATA (1x) Power cord, Screws, Heatsink Compound

***) Overclocking Warning:**
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